

FISCAL YEAR 2001 FUNDING PROPOSAL

for the

CLEANUP AND REDEVELOPMENT FUND

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Michigan Department of Environmental Quality
Environmental Response Division
Storage Tank Division

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FISCAL YEAR 2001 CLEANUP AND REDEVELOPMENT APPROPRIATION FUNDING PROPOSAL SUMMARY

The Department of Environmental Quality (DEQ) receives funding from the Cleanup and Redevelopment Fund (CRF) and state general funds to implement its cleanup and redevelopment programs. This document outlines the DEQ's proposed Fiscal Year 2001 (FY01) cleanup programs. It includes:

- The DEQ's request for FY01 funds from the CRF. The funds are to be used by the Storage Tank Division's (STD) Leaking Underground Storage Tank Cleanup Program for cleanup and redevelopment projects and for emergency cleanup actions. The Environmental Response Division (ERD) will also use the funds for its cleanup and redevelopment program and emergency cleanup actions.
- The DEQ's list of proposed FY01 cleanup sites that will be funded with CRF and state general funds.

FY01 Funding Sources

The CRF is created under Section 8 of Part 201, Environmental Remediation, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (NREPA). Money from the fund may be used for required match of federal dollars expended at a Superfund site, emergency response actions at sites, health or environmental problems, National Priorities List, municipal landfill cost-share grants, and response activities at sites that will facilitate redevelopment.

FY01 Funding Request

Under Section 13(3) of Part 201 of the NREPA, the DEQ must seek an annual appropriation from the CRF. As part of this request, the DEQ must submit a list of the cleanup project sites where it is proposing to expend funds along with the following information for each site: name, response activities planned, and estimated cost of these activities. The request may include a lump sum amount for emergency cleanup actions.

For FY01, the DEQ is seeking an appropriation of \$8,200,000 from the CRF for cleanup programs in the ERD and the STD as shown below:

Division	Program	CRF
ERD	Environmental Cleanup and Redevelopment	\$3,234,000
STD	Leaking Underground Storage Tank Cleanup	\$966,000
ERD	Emergency Cleanup Actions and Contingencies	\$2,000,000
STD	Emergency Cleanup Actions and Contingencies	\$2,000,000
	Total	\$8,200,000

This document provides program information and lists of the proposed STD and ERD cleanup projects. The information is provided in two sections:

- Section I provides STD program information and lists of sites/projects for the Leaking Underground Storage Tank Cleanup Program.
- Section II provides ERD program information and lists of sites/projects for the Environmental Cleanup and Redevelopment Program.

SECTION I

STORAGE TANK DIVISION

LEAKING UNDERGROUND STORAGE TANK (LUST) CLEANUP PROGRAM

The STD is responsible for the protection of the public health, the environment, and the natural resources of the state from releases and fire safety hazards associated with underground and aboveground storage tanks through education, innovation, pollution prevention, remediation, and compliance activities. The STD performs activities associated with law and rule requirements for certain underground storage tanks (USTs) and aboveground storage tanks (ASTs). These requirements are under the Michigan Fire Prevention Code, 1941 PA 207, as amended, and the following sections of the NREPA: Part 211, Underground Storage Tank Regulations (UST); Part 213, Leaking Underground Storage Tanks (LUST); and Part 215, Underground Storage Tank Financial Assurance (MUSTFA).

Services and products provided by the division are developed and delivered through a collaborative relationship with the regulated community, other state and federal agencies, and the general public in a timely, cost-effective, and consistent manner.

To carry out its proposed FY01 LUST Cleanup Program, the STD will use a combination of funding sources as indicated below:

Funding Source	Cleanup Projects	Emergency Cleanup Actions/Contingencies
FY01 Cleanup and Redevelopment Funds	\$966,000	\$2,000,000
FY01 General Funds	\$5,000,000	
TOTALS	\$5,966,000	\$2,000,000

The facilities proposed for state-funded corrective actions under the CRF were selected based on their acute health or environmental risks. Examples of such acute risks are fire and explosion hazards, actual or potential impacts to drinking water wells or sensitive environmental receptors (such as surface waters and wetlands), inhalation hazards, direct contact hazards, and releases of free product to groundwater. The sites being nominated for FY01 funding are the sites with the greatest acute risks.

A total of 47 cleanup projects are proposed for FY01 funding, including both general funds and CRF. A summary of the number of projects and estimated costs per county is provided in the table on the following page.

FY01 CLEANUP AND REDEVELOPMENT FUND PROJECTS BY COUNTY

County	Amount Proposed	Number of Sites	County	Amount Proposed	Number of Sites
Branch	\$200,000	2	Monroe	\$35,000	1
Calhoun	\$400,000	2	Montcalm	\$400,000	4
Cass	\$250,000	2	Oakland	\$200,000	1
Gladwin	\$150,000	1	Ogemaw	\$550,000	5
Gratiot	\$10,000	1	Osceola	\$100,000	1
Hillsdale	\$30,000	1	Presque Isle	\$25,000	1
Ingham	\$280,000	1	Roscommon	\$50,000	1
Ionia	\$75,000	1	Saginaw	\$150,000	2
Iosco	\$60,000	2	St. Clair	\$400,000	2
Kalamazoo	\$1,100,000	5	St. Joseph	\$250,000	1
Kent	\$411,000	5	Van Buren	\$200,000	1
Livingston	\$400,000	2	Washtenaw	\$140,000	1
Manistee	\$100,000	1			
TOTAL – 47 Sites -- \$5,966,000					

The STD's CRF projects proposed for FY01 are described in the table "STD FY01 Proposed Cleanup and Redevelopment Fund Projects" which begins on page 5. The projects are listed in county order and the following information is provided for each site:

- **County:** County in which the site is located.
- **Site Name/Address:** The name and address for the site.
- **Nature of Risk:** A brief description of the acute human health or environmental risks associated with the site.
- **Action to be Taken:** A brief summary of the response actions proposed for the site.
- **Estimated Cost:** The estimated cost of completing the proposed actions.
- **FY01 Recommended Funds:** The amount of FY01 funds that STD estimates it will need to complete the project.
- **District & Facility ID:** The STD district office that oversees the site and the identification number assigned to the facility.

EMERGENCY CLEANUP ACTIONS AND CONTINGENCIES PROGRAM

The STD proposes to use \$2,000,000 in FY01 CRF for contingencies and emergency actions as identified by the division. Examples for use of these funds are:

- Abating imminent fire and explosion hazards.
- Abating imminent public health hazards.
- Mitigating the discharge of regulated substances to surface waters and other sensitive environmental receptors.
- Providing bottled water to residences with contaminated drinking water until there is a permanent resolution.
- Emergency drinking water treatment technology or well replacements.
- Monitoring of drinking water wells that are threatened by contamination from LUSTs.
- Assessment of suspect sites to evaluate acute risk.

STD FY01 PROPOSED CLEANUP AND REDEVELOPMENT FUND PROJECTS
(County Order)

County	CRF Site/Address	Nature of Risk	Action to be Taken	Estimated Cost	FY01 Recommended Funds	District & Fac. ID
Branch	Archer Lake Marina 284 Crockett Dr. Quincy	Threat to wetland and lake, also a private well. Concern about concentrations at seawall.	Conduct sufficient investigation to allow for submittal of a statutorily complete final assessment report (FAR), and initiate the proposed corrective actions.	\$100,000	\$100,000	Plainwell 0-036785
Branch	Holiday Harbor 962 Wildwood Rd. Quincy	Free product was found at time of tank removal. Threat to lake located within 50 ft. Liable party unable to comply.	Site investigation and initiation of proposed corrective actions.	100,000	\$100,000	Plainwell 5-001651
Calhoun	Hooks Automotive 22300 N. Bedford Bedford	Free product found at the time of removal with potential surface water threat.	Define extent of free product and conduct sufficient investigation to allow for submittal of a statutorily complete FAR, and initiate the proposed corrective actions.	\$200,000	\$200,000	Plainwell 5-000475
Calhoun	H.B. Sherman 207 W. Jackson St. Battle Creek	Free product found at the time of removal with potential surface water threat.	Define extent of free product and groundwater plume. Conduct sufficient investigation to allow for submittal of a statutorily complete initial assessment report (IAR) and FAR, and initiate the proposed corrective actions.	\$200,000	\$200,000	Plainwell 5-000913

County	CRF Site/Address	Nature of Risk	Action to be Taken	Estimated Cost	FY01 Recommended Funds	District & Fac. ID
Cass	Riggs Corner Store 24992 Marcellus Dowagiac	Baseline Environmental Assessment identified free product. Threat to on-site drinking water well. Liable party unwilling to cooperate.	Conduct sufficient investigation to allow for submittal of a statutorily complete FAR, and initiate the proposed corrective actions.	\$150,000	\$150,000	Plainwell 0-004675
Cass	Indian Lake Mini Super 33112 M-62 West Dowagiac	Residential wells are threatened by groundwater contamination emanating from the facility.	Conduct sufficient investigation to allow for submittal of a statutorily complete FAR, and initiate the proposed corrective actions.	\$100,000	\$100,000	Plainwell 0-004676
Gladwin	Margaret Cearbaugh 6426 Indian Lake Rd. Gladwin	Contaminated soil and groundwater. Possible surface water impact. Possible drinking water impact. Unwilling / unable liable party.	Possible redevelopment, prepare FAR, implement corrective action plan (CAP), prepare closure report.	\$150,000	\$150,000	Saginaw Bay 0-008238
Gratiot	Total Equipment Service 1760 E. Superior Alma	A site with free product. The plume has not been defined. Repeated letters to the owner abate free product and comply with the reporting process have not been answered. No work has been done on this site since 1994.	Abate free product and remove grossly contaminated soils if necessary.	\$10,000	\$10,000	Shiawassee 0-010596
Hillsdale	Oakhaven 2800 Hudson Hillsdale	Threatened wells.	Corrective action.	\$30,000	\$30,000	Jackson 5-001657

County	CRF Site/Address	Nature of Risk	Action to be Taken	Estimated Cost	FY01 Recommended Funds	District & Fac. ID
Ingham	Super Stop #9 1600 S. Washington Lansing	Free product of up to 56" has been present on site for at least 3 years. The owner/operator has failed to initiate effective free product recovery actions.	Install an active free product recovery system, delineate extent of contamination and abate immediate threat to life, health and the environment.	\$280,000	\$280,000	Shiawassee 0-008093
Ionia	Haight's Garage 125 W. Clarksville Clarksville	Inheritance, private wells surrounding, stopped site activities.	Site Investigation.	\$75,000	\$75,000	Grand Rapids 5-000132
Iosco	Lansky Amoco 511 Lake St. Tawas City	Contaminated soil and groundwater, possible surface water impact. Unwilling liable party. MUSTFA paid for previous corrective actions. Site is presently a city park, which was purchased with State funds.	Limited investigation, prepare closure report.	\$30,000	\$30,000	Saginaw Bay 0-000848
Iosco	Rainbow Shell 449 Lake St. Tawas City	Same as Lansky's Amoco above - this site is adjacent to Lansky's and has same status.	Limited investigation, prepare closure report.	\$30,000	\$30,000	Saginaw Bay 0-010723
Kalamazoo	Vicksburg DPW 210 N. Main St. Vicksburg	Free product is present at and downgradient of the facility, the responsible party unwilling to conduct any corrective actions.	Delineate the extent of free product and implement an effective free product recovery system. Conduct sufficient investigation to allow for submittal of a statutorily complete FAR, and initiate the proposed corrective actions.	\$200,000	\$200,000	Plainwell 0-005231

County	CRF Site/Address	Nature of Risk	Action to be Taken	Estimated Cost	FY01 Recommended Funds	District & Fac. ID
Kalamazoo	Titus Construction 12105 E. Michigan Galesburg	Groundwater contamination potentially emanating from the facility threatens residential wells.	Conduct sufficient investigation to allow for submittal of a statutorily complete FAR, and initiate the proposed corrective actions.	\$200,000	\$200,000	Plainwell 0-008307
Kalamazoo	Ro-Dad's Total 134 N. Main Climax	Groundwater impact migrating off-site threatens downgradient residential wells.	Conduct sufficient investigation to allow for submittal of a statutorily complete FAR, and initiate the proposed corrective actions.	\$250,000	\$250,000	Plainwell 0-008634
Kalamazoo	McLeieer Oil Company 1718 E. Michigan Kalamazoo	Extremely high levels of groundwater impact present. Property is located within capture zone of City well field. Abandoned ASTs and USTs. MDOT interested in utilizing property.	Remove ASTs and USTs, site assessment, site investigation and initiation of proposed corrective actions.	\$300,000	\$300,000	Plainwell 0-013457
Kalamazoo	Micro Machine 1829 Lakeview Dr. Portage	Contamination at and emanating from the property threatens residential wells, and may discharge into West Lake.	Conduct sufficient investigation to allow for submittal of a statutorily complete IAR and FAR, and initiate the proposed corrective actions.	\$150,000	\$150,000	Plainwell 5-000049
Kent	SXT, Inc. 417 N. Main St. Cedar Springs	Soil contamination >Csat, shallow groundwater, possible free product.	Hydrogeological investigation, free product recovery and imminent hazard abatement.	\$100,000	\$100,000	Grand Rapids 0-005173
Kent	Dwar Oil Company 3910 S. Division Ave. Wyoming	USTs removed in 1999. Csat concentrations of xylenes found in two samples. Dwar Oil not	Site investigation, both on-site and off-site, remediate to prevent further off-site migration.	\$100,000	\$100,000	Grand Rapids 0-013770

County	CRF Site/Address	Nature of Risk	Action to be Taken	Estimated Cost	FY01 Recommended Funds	District & Fac. ID
		responsive to additional work. Off-site migration concerns.				
Kent	Huck's Corners 2371 17 Mile Rd. Cedar Springs	Free product has been encountered in one monitor well on-site, the plume is migrating off-site and four red tagged tanks remain in the ground.	Complete free product and groundwater delineation. If warranted, implement a chosen corrective action plan. Remove underground storage tanks.	\$100,000	\$100,000	Grand Rapids 0-016571
Kent	Burlingame Partnership 2741 Burlingame SW Wyoming	USTs removed in 1983. Csat concentrations of xylenes found in several soil samples in 1996. Present owner completed BEA. Burlingame Partnership found not liable. Off-site migration concerns.	Site investigation on-site and off-site, remediate to prevent further off-site migration.	\$55,500	\$55,500	Grand Rapids 5-001874
Kent	Burlingame Partnership 2743 Burlingame SW Wyoming	USTs removed in 1983. Csat concentrations of xylenes found in several soil samples in 1996. Present owner completed BEA. Burlingame Partnership found not liable. Off-site migration concerns.	Site investigation on-site and off-site, remediate to prevent further off-site migration.	\$55,500	\$55,500	Grand Rapids 5-001878
Livingston	Millie's Market 153 Main St. Gregory	Undefined groundwater plume, plume migrating off-site and maybe or have the potential to affect private wells, O/O is dead and the estate dissolved. Potentially commingling with TCE	Define horizontal and vertical extents of soil & groundwater contamination, complete corrective action if needed.	\$200,000	\$200,000	Shiawassee 0-001898

County	CRF Site/Address	Nature of Risk	Action to be Taken	Estimated Cost	FY01 Recommended Funds	District & Fac. ID
		plume from undefined source-ERD Main Street. 5 private wells replaced.				
Livingston	Kennedy Residence 7609 M-36 Hamburg	Private drinking water well impacted with 1,2-Dichloroethane. Impacted soils at the facility have not been horizontally or vertically delineated. Off-site source maybe contributing. Unwilling PRP - no on-site work completed since early 1994.	Determine the source of 1,2 Dichloroethane in the aquifer, site assessment and delineation of remaining impacted soils.	\$200,000	\$200,000	Shiawassee 0-002158
Manistee	Wellston Hardware 17921 Caberfae Hwy. (M-55) Wellston	Groundwater contamination above health-based RBSLs, residential wells downgradient.	Receptor survey, groundwater remedial investigation, abatement of acute risks.	\$100,000	\$100,000	Cadillac 0-015311
Monroe	Country Club USA 201 W. Front St. Monroe	Impact to utility corridor.	Investigation.	\$35,000	\$35,000	Jackson 5-002548
Montcalm	J. I. S. Tire Service 128 S. Ensley Howard City	Csat concentration of xylene in soil sample. GW contamination off-site with MTBE. Private wells approx. 300 feet downgradient.	Site investigation both on-site and off-site, remediate to prevent further off-site migration.	\$75,000	\$75,000	Grand Rapids 0-001861
Montcalm	Rockford Market 346 E. Main Rockford	Free product has been encountered in four monitor wells on-site. The area of free product encompasses a	Complete a FAR and if warranted, implement the chosen corrective action plan.	\$150,000	\$150,000	Grand Rapids 0-001938

County	CRF Site/Address	Nature of Risk	Action to be Taken	Estimated Cost	FY01 Recommended Funds	District & Fac. ID
		large portion of the site. The site has been sold and a BEA approved.				
Montcalm	Geller Auto Service 122 E. Main St. Carson City	Free product discovered in monitoring well 2 on 5/6/98. BEA completed by current owner 10/98 and all monitoring wells have been abandoned as due care response activities. No free product abatement taken place, soil & groundwater contamination off-site.	Free product abatement, remediation to prevent further off-site migration.	\$100,000	\$100,000	Grand Rapids 0-036179
Montcalm	Thelma Franklin 70 E. Howard City Edmore	Csat concentrations of Toluene, Ethylbenzene, Xylenes & trimethylbenzenes at 2 feet in 4 soil samples. Private wells on-site. Wetlands N, S & W of site. GW contamination shallow.	Site investigation both on-site and off-site, remediate to prevent further off-site migration.	\$75,000	\$75,000	Grand Rapids 0-039046
Oakland	Little Caesar's 11 S. Ortonville Rd. Ortonville	Former gas station, 5 USTs removed in 09/99. Current owner not liable for release. Free product encountered during UST removal.	Site investigation, free product recovery, soil and groundwater corrective action plan.	\$200,000	\$200,000	SEMI 0-040276
Ogemaw	Lovewell's Corner 1005 Wiltsie Rd. Lupton	Contaminated soil & groundwater possible drinking water impact unwilling – unable liable party.	Prepare FAR, implement CAP, and prepare closure report.	\$100,000	\$100,000	Saginaw Bay 0-009162

County	CRF Site/Address	Nature of Risk	Action to be Taken	Estimated Cost	FY01 Recommended Funds	District & Fac. ID
Ogemaw	Shady Shores Store 3728 Forest Lupton	Contaminated soil and groundwater possible drinking water impact possible surface water impact unwilling / unable liable party (deceased).	Possible redevelopment, prepare FAR, implement CAP, prepare closure report.	\$150,000	\$150,000	Saginaw Bay 0-013575
Ogemaw	Rose City Feed & Tack 301 Bennett Rose City	Contaminated soil and groundwater possible drinking water impact possible surface water impact unwilling / unable liable party.	Prepare FAR, implement CAP, and prepare closure report.	\$100,000	\$100,000	Saginaw Bay 0-033545
Ogemaw	TJ's Restaurant 3308 N. M-33 Rose City	Contaminated soil and groundwater possible drinking water impact liable party unknown.	Title search, prepare FAR, implement CAP, prepare closure report.	\$100,000	\$100,000	Saginaw Bay 0-039097
Ogemaw	Skidway Car Care 3610 Greenwood Rd. Prescott	Contaminated soil and groundwater possible drinking water impact liable party unknown site discovered as result of BEA.	Title search, prepare FAR, implement CAP, prepare closure report.	\$100,000	\$100,000	Saginaw Bay 5-002087
Osceola	Ralph's Marathon 202 E. Seventh St. Evart	Soil contamination above leaching to groundwater, surface water .25 mile from site, residential well located ~1000 feet from site.	Receptor survey, groundwater and soil remedial investigation, abatement of acute risks.	\$100,000	\$100,000	Cadillac 0-011148
Presque Isle	Village of Millersburg 5292 Main St. Millersburg	Potential outdoor air inhalation hazard and direct contact hazard associated with uncovered petroleum-contaminated soil pile.	Transport soil for disposal at landfill.	\$25,000	\$25,000	Cadillac 0-038302

County	CRF Site/Address	Nature of Risk	Action to be Taken	Estimated Cost	FY01 Recommended Funds	District & Fac. ID
Roscommon	Edgewater Marine 8320 Houghton Lake Houghton Lake	Contaminated groundwater venting into Houghton Lake above GSI, SSTL.	Implement CAP to prevent migration of contaminants and protect surface water. Assess site for other acute risks.	\$50,000	\$50,000	Cadillac 0-014965
Saginaw	Treasure Island 924 N. Niagara Saginaw	Soil and groundwater contamination identified in 1988. Some investigation done. No identified LUST liable party.	Identify nature of risk.	\$50,000	\$50,000	Saginaw Bay 5-001509
Saginaw	Dale M. Seltzer / Kenneth Grieb 1790 Vassar Rd. Reese	Contaminated soils, possible groundwater contamination, threat to surface water no liable party known.	Possible redevelopment, prepare FAR, implement CAP prepare closure report.	\$100,000	\$100,000	Saginaw Bay 5-002195
St. Clair	Anady Property 2204 St. Clair River Algonac	Contaminated soil/groundwater in close proximity to surface water.	Remedial investigation, soil and groundwater remediation.	\$200,000	\$200,000	SEMI 5-002446
St. Clair	Former Gulf Station 9 North St. Yale	Contaminated soil and groundwater may be responsible for vapors in basement of adjacent restaurant.	Remedial investigation, soil and groundwater remediation.	\$200,000	\$200,000	SEMI 5-002529
St. Joseph	Broker Services 226 S. Main St. Three Rivers	Potential surface water risk.	Determine extent of groundwater plume, conduct sufficient investigation to amend the existing FAR, and initiate the proposed corrective actions.	\$250,000	\$250,000	Plainwell 0-010965

County	CRF Site/Address	Nature of Risk	Action to be Taken	Estimated Cost	FY01 Recommended Funds	District & Fac. ID
Van Buren	Joe's Mini Mart 33317 M-140 Covert	Possible drinking water and direct contact risk.	Define extent of soil and groundwater plume, conduct sufficient investigation to allow for submittal of a statutorily complete IAR and FAR, and initiate the proposed corrective actions.	\$200,000	\$200,000	Plainwell 0-011590
Washtenaw	S & S Auto 211 Michigan Ave. Saline	Fire and explosion/vapors.	Free product removal.	\$140,000	\$140,000	Jackson 0-003432

SECTION II
ENVIRONMENTAL RESPONSE DIVISION

CLEANUP AND REDEVELOPMENT PROGRAM

The ERD is responsible for the implementation of the state environmental cleanup program under Part 201 of the NREPA. The CRF funds, established under Section 8 and implemented under Section 13 of Part 201 of the NREPA, provide for the identification, risk assessment, evaluation, and cleanup of sites of environmental contamination. State-funded cleanups, including emergency cleanup actions, are conducted in compliance with Part 201. This provides for state-funded cleanup activities at sites of environmental contamination where the liable party will not or cannot take the needed actions, cleanup of contaminated sites to promote redevelopment, and match of federal funds expended on cleanups at federal Superfund sites.

To carry out its proposed FY01 Cleanup and Redevelopment Program, the ERD will use a combination of funding sources as summarized below:

Funding Source	Cleanup Projects	Emergency Cleanup Actions/ Contingencies
FY01 Cleanup and Redevelopment Funds	\$3,234,000	\$2,000,000
FY01 General Funds	\$12,421,000	
ERD re-allocation of savings	\$700,000	
TOTALS	\$16,355,000	\$2,000,000

Section 8 of Part 201 of the NREPA establishes the CRF and Section 13(5) of Part 201 of the NREPA directs that CRF expenditures first satisfy Superfund match requirements, emergency response needs, and actions to address acute health or environmental problems. If funds remain, 50 percent of the remainder is to be expended for response actions that facilitate the redevelopment of urbanized areas. The other 50 percent of the remainder is available to address non-acute health and environmental problems and to perform cleanups to facilitate redevelopment in non-urbanized areas.

A total of 37 FY01 ERD projects -- 25 of which are being proposed by the ERD for state funding for the first time -- are proposed in this document. The total estimated cost of the 37 projects is \$16,355,000 as follows:

- An estimated \$700,000 of savings will be used to fund the costs at four sites. It is anticipated that during FY01, the ERD will be able to identify funds that have been appropriated for cleanup projects that are no longer needed. Reasons the funds are no longer needed may include that the liable party will fund completion of the work, the work was completed for less than originally estimated, or the project was no longer needed to achieve the ERD's cleanup goals for the site. As these savings are realized in FY01, they will be re-allocated by the ERD to provide the portion of funds needed for the four projects noted above.

- A total of 37 projects are proposed for FY01 funding. The estimated cost of the projects is \$15,155,000.
- Over the past ten years, the ERD installed several thousand monitoring wells at sites of environmental contamination. The state is responsible for properly abandoning these wells. Funding of \$500,000 is requested to properly abandon a portion of these monitoring wells to help prevent groundwater contamination or risk of public injury.

A summary of the 37 ERD projects proposed for FY01 -- **by project type** -- is provided below.

PROJECT TYPE	Number of Projects	Total Estimated Project Costs
REDEVELOPMENT PROJECTS <i>Projects that are being proposed because the sites have redevelopment potential. All of these sites <u>also</u> have an acute public health and/or environmental problem.</i>	4	\$850,000
ACUTE HEALTH AND ENVIRONMENTAL PROJECTS <i>Projects that are being proposed because the sites have an acute public health and/or environmental problem.</i>	29	\$14,205,000
OPERATION AND MAINTENANCE PROJECTS <i>Sites other than those noted above, that have an ongoing operation and maintenance need.</i>	1	\$100,000
SUPERFUND MATCH PROJECTS <i>Projects where state funds are being sought to match federal Superfund dollars.</i>	3	\$0
TOTAL	37	\$15,155,000

A summary of the proposed FY01 ERD Cleanup and Redevelopment projects – **by county** -- is provided in the chart on the following page.

**FY01 ERD CLEANUP PROJECTS – CRF
PROPOSED FUNDING BY COUNTY**

County	Amount Proposed	Number of Sites	County	Amount Proposed	Number of Sites
Allegan	\$4,300,000	1	Jackson	\$100,000	1
Alpena	\$150,000	1	Leelanau	\$200,000	2
Antrim	\$300,000	1	Livingston	\$650,000	2
Arenac	\$175,000	1	Manistee	\$600,000	1
Barry	\$600,000	1	Monroe	\$380,000	1
Bay	\$250,000	1	Montcalm	\$250,000	1
Calhoun	\$450,000	2	Montmorency	\$100,000	1
Clare	\$2,150,000	2	Muskegon	\$250,000	1
Crawford	\$100,000	1	Oakland	\$0	2
Grand Traverse	\$150,000	1	Osceola	\$450,000	1
Gratiot	\$0	1	Roscommon	\$200,000	1
Hillsdale	\$100,000	1	Saginaw	\$500,000	1
Ingham	\$500,000	3	Shiawassee	\$200,000	1
Ionia	\$500,000	1	Van Buren	\$750,000	1
Isabella	\$300,000	1	Wexford	\$500,000	1
Total 37 sites -- \$15,155,000					

The 37 ERD Cleanup and Redevelopment Projects proposed for FY01 funding are described in the following list: “Proposed FY01 ERD Cleanup and Redevelopment Fund Projects” which begins on page 19. Within each section of the list, the projects are listed in county order and the following information is provided for each site:

- **Site ID #** -- Number used to identify the site within the state of Michigan.
- **Site Name** -- The name used most commonly for the site.
- **County** -- The county in which the site is located.
- **New Site** -- This column indicates if this is the first time the site has been proposed by the ERD for state funding.
- **Acute** -- This column indicates if the project (in part or in its entirety) is being proposed by the ERD to address an acute public health and/or environmental problem.
- **Redevelopment** -- This column indicates if the project has redevelopment potential.
- **Estimated Cost** -- This column provides the estimated cost of the actions proposed for FY01.
- **FY01 CRF** -- This column provides the amount of FY01 funds that ERD estimates it will need to complete the project. For sites with a recommendation below the estimated cost, the actions will be funded by the ERD re-allocation of savings from previously appropriated cleanup funds.
- **Transfer** -- The amount that will be re-allocated to the site from prior year savings at other sites.
- **Actions Needed** -- Actions planned to be conducted to remediate environmental issues or prepare the site for redevelopment.

EMERGENCY CLEANUP ACTIONS AND CONTINGENCIES PROGRAM

The ERD proposes to use \$2,000,000 in FY01 CRF for contingencies and emergency actions identified by the division as the need arises. Examples for the use of these funds include:

- Disposal of barrels that are a threat to public health and the environment.
- Assessment of suspect sites to evaluate acute risk.
- Cleanup of truck, tanker, and railcar spills.
- Provide bottled or alternate water to residences at sites of environmental contamination where the groundwater is impacted.
- Abate an imminent threat to the public health caused by a release of a regulated substance to the environment.

PROPOSED FY01 ERD CLEANUP AND REDEVELOPMENT FUND PROJECTS
(County Order)

Site ID#	Site Name	County	New Site	Acute	Redevelopment	Estimated Cost	FY01 CRF	Transfer	Actions Needed
030031	Sunrise LF	Allegan		Yes		\$4,300,000	\$4,300,000	\$0	Properly cap landfill and remove up to 10,000 barrels of waste.
040125	1000 Highland Court	Alpena	Yes	Yes		\$150,000	\$150,000	\$0	A leaking above ground storage tank contaminated the drinking water. Provide a municipal water system to the affected residences.
050097	Portside Cleaners	Antrim	Yes	Yes		\$300,000	\$300,000	\$0	Plan and implement a remedial action for contaminated on-site soils to protect the lower aquifer.
060043	Sappington Oil	Arenac	Yes	Yes		\$175,000	\$175,000	\$0	There is brine contamination in an aquifer. One residential well has been impacted. An electromagnetic survey will be used to delineate the chloride plume and locate the source.
080007	Kavco LF	Barry		Yes		\$600,000	\$600,000	\$0	Develop plans and implement a gas extraction system to prevent methane gas from migrating off-site.

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090184	Kuhlman Electric	Bay	Yes	Yes		\$250,000	\$250,000	\$0	Conduct investigation to define the extent of PCB contamination to soil and groundwater.
130073	Brooks Foundry	Calhoun		Yes	Yes	\$150,000	\$150,000	\$0	Complete the demolition of the building and assess the impact of waste lagoons to support the redevelopment of this site.
130348	McLeieer Oil/Elm Street	Calhoun		Yes		\$300,000	\$300,000	\$0	Demolish a building and remove the free product.
180070	Agnes Gleason #1	Clare	Yes	Yes	Yes	\$150,000	\$150,000	\$0	The orphan well was plugged in 1996. Investigate the extent of the remaining free crude oil in the soil and on the groundwater. Assess the risks to residents of the subdivision.
180007	City of Clare Sanitary LF	Clare		Yes		\$2,000,000	\$2,000,000	\$0	Install a leachate interception, collection and treatment system. Investigate the extent of contamination.
200066	Old Mill Property	Crawford	Yes	Yes		\$100,000	\$100,000	\$0	Perform a remedial investigation to determine the extent of PNA contamination and whether remedial actions are needed.

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280212	Norton & Woods 1-20A	Grand Traverse	Yes	Yes		\$150,000	\$150,000	\$0	Plug a leaking oil well. The extent of remaining free crude oil in the soil and on the ground water will be investigated to assess the risk to public health and the environment.
290070	Velsicol Chemical Corporation	Gratiot	Yes	Yes		\$100,000	\$0	\$100,000	Install wells to monitor the performance of the containment system and investigate to the bank of the Pine River to determine the extent of contamination.
300111	Heinz Oil Company	Hillsdale	Yes	Yes		\$100,000	\$100,000	\$0	Plug potentially leaking oil wells and cleanup crude oil contaminated soils.
330216	Kings Auto Property	Ingham	Yes	Yes	Yes	\$50,000	\$50,000	\$0	Tires, junk cars, furniture, barrels, and other solid waste have been removed from the site. Soil samples indicate contaminants above criteria. This project includes an investigation to define the extent of contamination.
330531	Laundry and Dry Cleaning Village	Ingham	Yes	Yes		\$350,000	\$350,000	\$0	Soil samples indicate contamination due to former dry cleaning operations. This project includes removal of contaminated soil.

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330528	Mobil Oil, Richard TE #1	Ingham	Yes	Yes		\$100,000	\$100,000	\$0	Oil company buried oil field waste. Excavate and properly dispose of the crude oil contaminated soils.
340017	Whites Bridge Rd Area	Ionia		Yes		\$500,000	\$500,000	\$0	Install and operate a groundwater treatment system.
370127	Vernon Township Ground Water Contamination	Isabella	Yes	Yes		\$300,000	\$300,000	\$0	Investigate the extent of brine contamination in the soil and groundwater that has affected eight residential wells. Assess the risk.
380196	Smith Petroleum Henry w. Zaremba et al #A-1	Jackson	Yes	Yes		\$100,000	\$100,000	\$0	Plug a potential leaking oil well and cleanup crude oil contaminated soils.
450015	Commercial Well W. Bayshore	Leelanau		Yes		\$200,000	\$200,000	\$0	Identify the source of a contaminated community well.
450004	Grand Traverse Overall Supply	Leelanau	Yes	Yes		\$250,000	\$0	\$250,000	Conduct a remedial investigation to define the extent of contamination and determine the appropriate response activities.

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470099	Main Street Gregory	Livingston		Yes		\$250,000	\$250,000	\$0	Drinking water in the area has been found contaminated with TCE. Delineate the plume of TCE contaminated groundwater that appears to be coming from an underground storage tank.
470197	Marcy's Laundry Center	Livingston	Yes	Yes		\$400,000	\$400,000	\$0	Vinyl chloride contamination has been identified at this dry cleaner/laundromat. This project includes determining the extent of contamination and treatment of groundwater if necessary.
510147	Morton International Merkey 13	Manistee		Yes		\$600,000	\$600,000	\$0	Protect city wells by intercepting chloride plume through the installation of a purge and treat interceptor system.
580177	Lor-San Oil	Monroe	Yes	Yes		\$380,000	\$380,000	\$0	Plug four potentially leaking oil wells and cleanup crude oil contaminated soils.
590139	Greenville Drums	Montcalm	Yes	Yes		\$250,000	\$250,000	\$0	Remove approximately 100 drums of paint solids and other containers near an apartment building.

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600004	Lowell St Hillman Twp	Montmorency		Yes		\$100,000	\$100,000	\$0	Continued operation and maintenance of the source area soil and groundwater cleaning system.
610377	Ruddiman Drums	Muskegon	Yes	Yes		\$250,000	\$250,000	\$0	Remove drums of paint solids from the banks of Ruddiman Creek.
630993	Cedar Creek Chloride Contamination	Oakland	Yes	Yes		\$100,000	\$0	\$100,000	Additional municipal water connections are needed.
630025	Hi-Mill Mfg Co	Oakland	Yes	Yes		\$250,000	\$0	\$250,000	Investigate the groundwater in areas where high concentrations of TCE have been detected to determine the source.
670021	Richmond Sanitary Landfill	Osceola	Yes	Yes		\$450,000	\$450,000	\$0	Install a leachate collection system and cap the cell.
720028	State B-1	Roscommon	Yes	Yes		\$200,000	\$200,000	\$0	Plug the leaking oil well, investigate the extent of the remaining free crude oil in the soil and on the groundwater. Assess the risk.
730406	L.A. Davidson	Saginaw		Yes	Yes	\$500,000	\$500,000	\$0	Conduct a groundwater remedial investigation to determine the source of contamination leaching into ditches that flow into the Tittabawasee River.

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780071	Helena St & Frederick St Res Wells (Shiawassee Sanitary LF)	Shiawassee	Yes	Yes		\$200,000	\$200,000	\$0	Investigate the extent of contamination emanating from a former gravel pit and landfill.
800155	Commercial Street Industrial Area	Van Buren		Yes		\$750,000	\$750,000	\$0	Conduct a source and control evaluation, determine the extent of groundwater contamination, conduct aquifer performance testing, and select appropriate interim response measures.
830114	Yuma Tar	Wexford	Yes	Yes		\$500,000	\$500,000	\$0	Remove the source of contamination and evaluate the extent of groundwater contamination.
339999	Multi-Site Well Plugging	Statewide	Yes			\$500,000	\$500,000		Plug monitoring wells throughout the state.
	Total					\$16,355,000	\$15,655,000	\$700,000	